

ORIGINAL

Antonio Gill

Smart Meters Generic Investigation

E-00000C-11-0328



0000132377

From: g.oliphant@arizona.com
Sent: Monday, April 02, 2012 8:35 AM
To: Pierce-Web
Subject: Smart Meter Workshop 3/23/2012- Posting to the Docket

RECEIVED
AZ CORP COMMISSION
DOCKET CONTROL

Dear Chairman Pierce,

2012 APR 20 PM 2 03

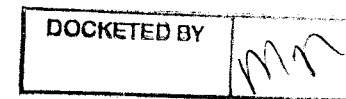
I just finished listening to the audio from the 3/23 Workshop. I want to commend you and the Commission on a really great Workshop. I am usually unable to personally attend and have relied on watching the live broadcasts and archived recordings and making my comments from there via email to the Commission. Have communicated a number of times with you and the remaining commissioners and am grateful for the opportunity to do that.

Arizona Corporation Commission
DOCKETED

For now, I have 3 requests:

APR 20 2012

- 1) instructions and deadlines for posting to the Docket.
- 2) can posting to the Docket be done electronically (over the internet)?
- 3) please add my name to the list of those that are notified of upcoming sessions/events on Smart Meters (if there is such a list.)



In addition, please permit me to make the following observation.

While I am still digesting the entire scope of this nearly 6 hour Workshop, I would also like to mention what seemed to me was a notable difference in APS testimony from the September 8, 2011 Special Hearing and APS's 3/23/2012 description of how their AMI meters functioned.

If my memory serves me correctly, on Sept 8, the APS testimony was that these meters collect metering data every hour over a 24 hour period and then upload the data once per day (around midnight).

On 3/23 APS, if not the very same person, described these meters as *transmitting on an entirely different schedule!* This would seem like a substantial (and unexplained) departure from their original testimony and gives cause to the concern for the "wriggly" nature of all the "information" we hear. The assertions that these meters were transmitting more frequently than originally claimed were *correct*.

Regardless of a potential argument that the cumulative exposure to RF emissions might be no different, the fact that the story inexplicably changed is what would be concerning to the lay person. It gives some credence to the perception that the industry "experts" on these meters don't know what they are talking about or are being a bit dodgy about the truth and that virtually *anything* they say is subject to change. It makes separating myth from truth extremely difficult. A real *expert* simply would not have made such an error on how these meters operate.

To Gary Pierce
We do not want
APS Smart Meters.

We want our
privacy totally.
It's no one else's
business when I
do laundry or run
my dish washer or
any other appliances.
Anne Joachim

PHOENIX AZ 852

OCT 12 2012 PM 5 L

LAZYBONES
BOUTIQUE



Az. Corporation
Commissioners Wing
1200 W. Washington
Phx. Az. 85007

If I have erred on my understanding of the original testimony and the operation of these meters, then my sincerest apologies to the Commission and the APS rep. But to some folks, including me to a certain extent, this seems like a writhing snake with a head full of teeth that we can't find yet...and if I am correct, it demonstrates how a rush to implement Smart Meters, for all the good we are *told* they do, might also just inadvertently unleash the uncertainties of a Pandora's Box.

I urge the Commission to continue to move very cautiously and to ensure it finds the "head of this wriggling snake"!

Sincerely,
Gary Oliphant
Paulden, Az

Antonio Gill

From: Nancy Baer [redrockclass@msn.com]
Sent: Friday, April 06, 2012 2:28 PM
To: Burns-Web; Kennedy-Web; Newman-Web; Pierce-Web; Stump-Web; 'Representative Fann'; 'Representative Pierce'; 'Representative Tobin'; 'Yavapai County Commissioner District 1'; 'Yavapai County Commissioner District 3'; 'Yavapai County District 2 Commissioner'
Cc: paboud@azleg.gov; sallen@azleg.gov; fantenori@azleg.gov; nbarto@azleg.gov; abiggs@azleg.gov; sbundgaard@azleg.gov; ocajerobedford@azleg.gov; rcrandall@azleg.gov; adriggs@azleg.gov; sgallardo@azleg.gov; rgould@azleg.gov; lgray@azleg.gov; ggriffin@azleg.gov; jjackson@azleg.gov; lklein@azleg.gov; llandrum@azleg.gov; llopez@azleg.gov; jmccomish@azleg.gov; amelvin@azleg.gov; rmeza@azleg.gov; rmurphy@azleg.gov; jnelson@azleg.gov; rpearce@azleg.gov; spierce@azleg.gov; mreagan@azleg.gov; dschapira@azleg.gov; dshooter@azleg.gov; ksinema@azleg.gov; stevesmith@azleg.gov; syarbrough@azleg.gov; eables@azleg.gov; laiston@azleg.gov; barredondo@azleg.gov; cash@azleg.gov; bbarton@azleg.gov; kbrophymcgee@azleg.gov; jburgess@azleg.gov; chcampbell@azleg.gov; hcarter@azleg.gov; tchabin@azleg.gov; scourt@azleg.gov; ccrandell@azleg.gov; jdial@azleg.gov; kfann@azleg.gov; sfarley@azleg.gov; efarnsworth@azleg.gov; jfillmore@azleg.gov; tforese@azleg.gov; rgalleo@azleg.gov; sgonzales@azleg.gov; dgoodale@azleg.gov; dgowan@azleg.gov; rgray@azleg.gov; ahale@azleg.gov; jharper@azleg.gov; mheinz@azleg.gov; khobbs@azleg.gov; rjones@azleg.gov; pjudd@azleg.gov; jkavanagh@azleg.gov; dlesko@azleg.gov; ddavis@azleg.gov; nmclain@azleg.gov; jmesnard@azleg.gov; emeyer@azleg.gov; cmiranda@azleg.gov; rmiranda@azleg.gov; smontenegro@azleg.gov; jolson@azleg.gov; lpancrazi@azleg.gov; dpatterson@azleg.gov; jpierce@azleg.gov; fpratt@azleg.gov; tproud@azleg.gov; areeve@azleg.gov; brobson@azleg.gov; msaldate@azleg.gov; cseel@azleg.gov; dsmith@azleg.gov; dstevens@azleg.gov; atobin@azleg.gov; atovar@azleg.gov; mugenti@azleg.gov; surie@azleg.gov; tvogt@azleg.gov; jweiers@azleg.gov; jpweiers@azleg.gov; bwheeler@azleg.gov; vwilliams@azleg.gov; kyee@azleg.gov; consumerinfo@azag.gov; cfraulob@azruco.gov; jjerich@azruco.gov; 'Councilor Barbara Litrell'; 'Councilor Dan McIlroy'; 'Councilor Dennis Rayner'; 'Councilor Mark DiNunzio'; 'Councilor Mike Ward'; 'Mayor Rob Adams'; 'Vice Mayor Cliff Hamilton'
Subject: DOCKET NO. E-00000C-11-0328 AZ CORPORATION COMMISSION - BUILDING CONSTRUCTION HAZARDS W/ "SMART METERS"

April 5, 2012

**Arizona Corporation Commission
1200 W. Washington Street
Phoenix, AZ 85007**

Re: AZ CC Docket E-00000C-11-0328 "Smart Meter" Hazards to Building Industry and My Personal Notice

Your mission clearly states your responsibilities as Commissioners:

Mission: To recommend thoroughly researched, sound regulatory policy and rate recommendations to the commissioners, which are based on a balanced analysis of the benefits and impacts on all stakeholders and are consistent with the public interest.

Sufficient time has elapsed for me to observe that no concrete action has been taken to halt any more "smart meter" installations so that further independent studies on the effects of smart meter and smart grids may be conducted. If these meters cannot be proven to be 100% safe, the utility companies need to recall them.

All deployment of these meters needs to be halted immediately until studies are completed that determine they are safe. Insurance companies will not pay for any

damages of the home or appliances resulting from smart meters. That being the case, I would think the same rule would apply to commercial building insurance.

Therefore, as of today's date, I hold each of the staff and commissioners personally liable for all damages (health and property) now and in the future if the Arizona Corporation Commission (ACC) allows continual deployment of smart meters and smart grid related hardware or software without future independent studies of the safety and security of these frequencies.

**Nancy Baer, APS Consumer
245 San Patricio Drive
Sedona, AZ 86336**

The following is critical information regarding the "smart meter" hazards posed in the building construction industry itself, its installation in public buildings and the people inside.

APS stated at the 03/23/12 meeting that the Company will not allow opt out of commercial accounts, however, as Arizona Corporation Commissioners (ACC), you need to remind APS that it does not have any authority NOT to allow opt-out of any account, regardless whether it is residential or commercial.

People should opt-in for such dangerous devices. Only voluntary opt-in will discharge such liability as long as the device is not flawed and the public was not told or warned of its danger. APS does not warn that smart meters are Class 2 B carcinogen either, and as such, should be immediately recalled by APS. All opt-out should be standard to all and at no cost other wise, the Arizona Corporation Commission should also bear the burden of such liabilities.

Excerpt from a letter Curtis Bennett, a Canadian electrical technologist (frequently used in US courts as an "expert witness") sent to the Energy Ministry (in Canada) notes how Radio Frequency (RF) compromises the integrity of buildings making them more vulnerable due to the addition of "smart meters," rendering such building to be unsafe and not up to Safety Code dated March 7, 2012:

"900 MHz going through wall is going to cause molecules of construction material to change direction 1.8 billion time per second. 2.4 GHz or 5 GHz in schools means 4.8 or 10 billion times per second. Would the frequencies going through refractory lined vessels affect the integrity of the vessels used in industry?

That is independent of electrical and mechanical systems or appliances being

impacted. Inducing electrical wiring, vulnerable devices, appliances, pacemakers, health monitoring equipment while vibrating the equipment at high speeds is dangerous. Blasting frequencies can induce charge where a static trigger could cause a spark in volatile environments including lumber, oil, gas, grain elevators, etc. etc and endless potential.

Design Professionals including professional engineers, fire services have to be informed when a structure will be vibrated billions of times per second. Buildings subjected to frequencies have to be designed for it i.e. RF Engineer from Norad report their buildings had grounded copper mesh to address the potential charge from frequencies.

Engineers, municipalities, building inspection, etc can't rule out the building's structure and fire separations compromised as a result of frequency interaction. Multiple smart devices under more load will increase the intensity of the molecular earthquakes caused to structures, fire separations, electrical systems, etc. Meter banks on high rises are in the basement or on the ground floor and vibrating the structure holding up the high rise.

Professionals signing off on buildings, municipalities, developers, fire services, insurers and banks haven't been informed the function of their building has changed as would liability. It brings complex liabilities forward which require clarification from the authorities having jurisdiction. If studies were completed on building and infrastructure safety, please advise ASAP. Every minute of this subtle radiation compounds problems."

http://www.youtube.com/watch?feature=player_embedded&v=GtIWW6PY-vk#!

Antonio Gill

From: Dinah Lundell [dinahfaye@hotmail.com]
Sent: Thursday, April 12, 2012 12:14 PM
To: Burns-Web; Pierce-Web; Newman-Web; Kennedy-Web; Stump-Web
Subject: FW: [AZpatriots] Must read on Smart Meters

Dear Members of the Corp. Commission,

With all of the information you have received and the testimonies you have listened to, I am encouraging you to do the right thing and put a moratorium on the smart meter.

Questions are being asked, Are the members of the AZCC compromised by their associations with the utility companies? What is going on? Why the delay? Why weren't these meters evaluated for harmful effects and privacy violations long ago? Who says they are safe? Will you trust those people again?

Please acquaint yourselves with the following. The people count on you to do the right thing.

Thank you for your service to the people of this state,
Dinah Lundell

<http://www.azcc.gov/Divisions/Hearings/Cal/2012/032312.pdf>

SMART METER PRIVACY VIOLATIONS.

1. Must-See 4-minute youtube video on Smart meters

The meters are on a non-secure system - they are not an encrypted system, they violate state and federal surveillance laws, they are readable, hackable and accessible from outside sources other than the utilities. Since these issues alone violate our rights and privacy, this alone should be sufficient cause to have an immediate moratorium placed on them and any charges for their immediate removal.

http://www.youtube.com/watch?feature=player_embedded&v=8JNFr_j6kdI

SMART METER HEALTH PROBLEMS AND CANCER.

2. The WORLD HEALTH ORGANIZATION May 31 2011

Since the World Health Organization has placed Non-ionizing radiation which has been known to be coming from Wireless smart meters (& some other wireless devices) on their Class 2-B Carcinogen List, isnt that justification enough to place a moratorium on them?

http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf

3. The NATIONAL INSTITUTE OF HEALTH in Feb of 2011 has also found biological changes in the brain after only minutes of exposure to non-ionizing radiation. Considering that the amount of radiation produced by Smart Meters far exceeds that

of any known cell phone - is THAT not enough to cause a moratorium?

<http://jama.ama-assn.org/content/305/8/808.abstract>

4. LABORATORY SCIENTISTS have observed:

- (1) Human Cell Damage**
- (2) DNA Chain Breaks**
- (3) Breaches in the Blood-Brain Barrier**

All coming from levels of non-ionizing radiation lower than those emitted by WIRELESS Smart meters present cell damage, DNA breaks and breaches in the Blood-Brain Barrier have been reported and verified in the scientific community Is the ACC, APS and SRP willing to accept any and all health liabilities which can be determined by environmental physicians to be the cause of declining health and sickness? If not why not?

<http://electromagnetichealth.org/electromagnetic-health-blog/cc-video/>

5. INSURANCE COMPANIES Hired Independent Laboratory Scientists and they also observed Cell Damage and DNA Chain Breaks.

Currently Insurance Companies will NOT Insure Liability damage from Wireless Smart meters and other wireless devices - will the ACC and utilities accept that responsibility? If not why not?. If not, then the state (for NOT doing their due diligence in protecting the public), and the utilities for forcing the public against their wills to have them placed on their homes - can and should be held legally liable. There is enough information currently available regarding adverse health issues to merit a complete moratorium until such time as all health issues can be answered and corrected and the safety of the public assured.

TV Video (3 minutes)

<http://eon3emfblog.net/?p=382>

Consider this, cell Phone use and other devices are Voluntary and can be shut off at the user's discretion, however, Smart meters mounted on homes against our wills and which are emitting dangerous radiation 24/7 can not be shut off and are being forced on us.

6. WIRELESS SMART METERS – 100 TIMES MORE RADIATION THAN CELL PHONES.

Video Interview: Nuclear Scientist, Daniel Hirsch, (5 minutes)

<http://stopsmartmeters.org/2011/04/20/daniel-hirsch-on-ccsts-fuzzy-math/>

7. WIRELESS SMART METERS – CANCER, NERVOUS SYSTEM DAMAGE, ADVERSE REPRODUCTION AFFECTS.

Video Interview: Dr. Carpenter, New York Public Health Department, Dean of Public Health, (2 minutes)

Dr. Carpenter states, "We have evidence...that exposure to radiofrequency radiation...increases the risk of cancer, increases damage to the nervous system, causes electrosensitivity, has adverse reproductive effects and a variety of other effects on different organ systems. There is no

justification for the statement that Smart Meters have no adverse health effects. "

Dr. Carpenter further advises, "An informed person should demand that they be allowed to keep their analog meter"

<http://emfsafetynetwork.org/?p=3946>

**8. THE KAROLINSKA INSTITUTE IN STOCKHOLM (the University that gives the Nobel Prizes)
ISSUES GLOBAL HEALTH WARNING AGAINST WIRELESS SMART METERS.
2-page Press Release**

Excerpted:

The article recommends that lower limits be established for electromagnetic fields and wireless exposures, based on scientific studies reporting health impacts at much lower exposure levels. Many researchers now believe the existing safety limits are inadequate to protect public health because they do not consider prolonged exposure to lower emission levels that are now widespread. "Current US and ICNIRP standards for radiofrequency and microwave radiation from wireless technologies are entirely inadequate.

The Smart Grid concept could require every home to have a wireless electric in place of their existing meters. If implemented, it will greatly increase the intensity of new wireless emissions in homes, schools and every other building that uses electricity.

The Scientific Panel urges a halt to the rollout of new wireless technologies, especially those that cause exposures for pregnant women and for children. "New, biologically-based exposure limits are crucial to guide new technology development toward solutions that are not harmful to health. The global rollout of wireless technologies has outpaced both health studies and calls for more restrictive public safety limits.

<http://www.scribd.com/doc/48148346/Karolinska-Institute-Press-Release>

9. RADIATION MEASURED FROM SMART METER MOUNTED ON A HOME (once active in the utility system) SHOWS RADIATION TRANSMISSION PULSES APPROXIMATELY ONCE EVERY FOUR SECONDS 24 HOURS PER DAY traveling through the bodies and brains of the inhabitants of that home.

Measurable Radiation put out by smart meter pulses travel through both both the bodies and brains of families and especially susceptible children and pets in your home. Does either the ACC or the utilities deny this? Can they provide documented proof that they do not?

Youtube Video (6 minutes, 1st minute is sufficient)
<http://www.youtube.com/watch?v=uRejDxBE6OE>

PG&E, California's Utility Monopoly,

Even PG&E recently publically admitted that each smart meter mounted on a home transmits radiation between 10,000 and 190,000 times each day.

This admission corrected previous false statements repeated often by many utility companies across the country. Who do YOU believe?

NOTE: many of the tests on non-ionizing radiation (the type of radiation emitted by smart meters) have been done using devices other than smart meters because smart meters have only been in people's homes for a very short time.

Consider this for a moment: If a Wireless smart meter knowingly emits 100 times more radiation than a cell phone, then it is not difficult to project that if a smart meter was a likened to a machine gun firing 100 bullets indiscriminantly in the same time that a cell phone which could be likened to a pistol fires only one bullet, then it is not difficult to extrapolate the amount of harm that the Smart Meter can do in comparison to a cell phone, even if the tests the utilities cite were done with using a cell phone.

CUSTOMER UTILITY BILLS AFTER SMART METERS INSTALLED.

10. Skyrocketing Utility Bills after installation
TV News Video (3 minutes)

Since the installation of Smart Meters onto homes without consent - consumer utility bills have increased astronomically - does the utility categorically deny that usage is now measured through the Smart Meter from the moment a device is turned on and that the power consumption is skewed to include the end rush current spikes of any given device which will knowingly drive the costs to the consumer up as well as increase the profits to the utilities?

If asked about end rush current - that is the amount of current it takes to initiate an electrical response from any device - be it a lightbulb, a hair dryer, AC unit, refrigerator, etc. The larger the device the bigger the current draw. The bigger the current draw the bigger the spike and the more the utility makes.

<http://www.bakersfieldnow.com/news/63581287.html?tab=video>

11. Systemic Smart Meter Billing Errors Over 200% Uncovered in Australia
TV News Video (7 minutes)
<http://au.news.yahoo.com/today-tonight/money/article/-/10241945/power-sc...> - video

12. NATIONAL SECURITY RISKS DUE TO SMART METERS.
CIA Director James Woolsey calls Smart grid "Stupid" due to National Security problems caused by so-called smart meters.

Even the director of the CIA has clearly and concisely stated that Smart Meters can be hacked from outside sources. IF the Director of the CIA knows that the system is hackable then there is no way to secure it from being accessed by anyone in any location. It becomes not only a safety issue for consumers to potential home break-ins, but also one whereby the system and its data can be manipulated.

News Video (1 minute)

<http://www.energynow.com/video/2011/08/10/preview-mix-james-woolsey>

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Antonio Gill

From: Pierce-Web
Subject: FW: Smart Meter-Smart Grid__APS Potentially Life Threatening Environmental Issue in Payson, AZ____ACC Workshop on Meter Guidelines, Docket No. E-00000C-11-032

From: Pat Ferre [<mailto:pferreact@mac.com>]
Sent: Thursday, April 19, 2012 10:44 AM
To: james.byron@azdeq.gov
Cc: Pierce-Web; Newman-Web; Burns-Web; Stump-Web; Kennedy-Web; Steven Olea; Warren Woodward
Subject: Fwd: Smart Meter-Smart Grid__APS Potentially Life Threatening Environmental Issue in Payson, AZ____ACC Workshop on Meter Guidelines, Docket No. E-00000C-11-032

Dear Mr James,

I send this comment from Mr Warren Woodward, *with my added bold in red highlight* designating the portion I'm concerned about: " broadcast 7 miles" and "go through a mountain."

I mention these examples to illustrate options of range and intensity possible for SMs and SGs. According to information I gleaned at the March 23, 2012 ACC Workshop on Meter Guidelines, Docket No. E-00000C-11-032, it looks like, APS retains the options to program SMs as proprietary for them to know about and to decide about and change as they or people they have agreements may wish. One of the commissioners piped up that all usage had to be legal and in accordance with ACC rules! Good for him, but *how would ACC know* what is actually going on in the field, with SMs and SGs? Who will monitor? What about under a so called 'National Security' situation? When Washington puppeteers can castrate and silence the EPA, which is charged with our protection, what else can be done that is not in our common good and in the common good of children yet to be born, and those already here, needing out help and protection?

So, the point here: *can the 600 meter range, potentially be changed remotely on our AZ SMs to 7 miles or be so intense that they can "go through a mountain."* Who can be trusted to monitor the remotely changeable meters to see that they stay below the range where micronuclei can be formed under a variety of electropollution environments in a way that is respectful of electrosensitive people, pregnant women, children, and the like?

Sincerely,

Pat Ferre

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Begin forwarded message:

From: Warren Woodward <w6345789@yahoo.com>
Subject: RE: Smart Meter-Smart Grid__APS Potentially Life Threatening Environmental Issue in Payson, AZ
Date: April 17, 2012 11:30:34 PM MST
To: pferreact@mac.com

Good letter! Let me know what you hear back.

About the SM range, my sister was just telling me about a friend in rural W.Va. who got a new SM. The

installer said it would broadcast 7 miles! And one of the manufacturers was bragging theirs could "go through a mountain"!